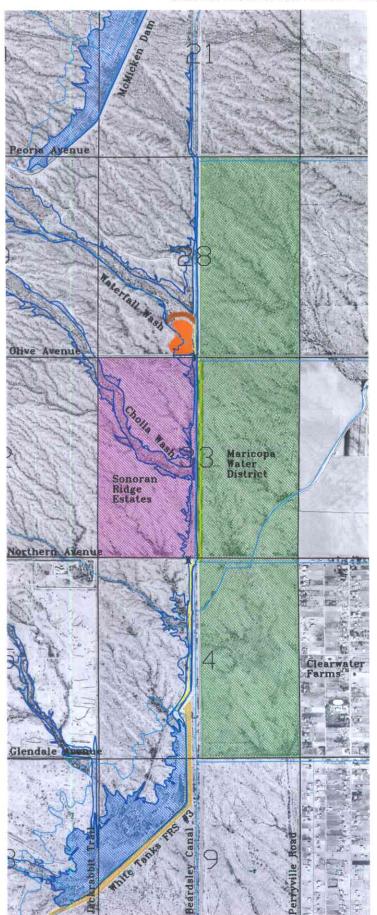
ALTERNATIVE 3 DETENTION BASIN NEAR OLIVE







LEGEND



OPEN SPACE



DETENTION BASIN

BURIED BANK PROTECTION

CULVERTS

ALTERNATIVE 3 DESCRIPTION

This alternative consists of capturing a breakout flow and directing it to a detention basin at Olive Avenue. Alternative 3 also includes native desertscaped trails from the White Tanks Flood Retarding Structure #3 to Olive Avenue and culverts at both Northern and Olive Avenues. The natural wash will remain undisturbed on the west side of the Beardsley Canal between Olive and Northern Avenues.

VISUAL CHARACTERISTICS

- Ten-acre site containing a curvilinear shaped detention basin with varied perimeter slopes surrounded by a variable width buffer area. Related armored inlet channel and overflow control embankment blended with the surrounding natural desert in terms of color, texture and form
- Design and grading will attempt to re-naturalize disturbed areas to be reflective of the topography and character of nearby natural washes.
- · Designed to provide opportunities for future recreational trail linkages and a potential trailhead area
- · Revegetation and/or restoration will be accomplished using native seed mixes and select tree plantings.
- · The native desertscape palette includes native Sonoran desert plant species patterned and arranged to reflect the density and patterns found in the washes and foothills of the White Tank
- · Buried embankment protection at the confluence with Cholla Wash and south of Northern Avenue re-naturalized with native

OPPORTUNITIES

- · Provides 100-year flood protection to the properties east of Beardsley Canal by preventing flow breakouts
- Provides native desertscaped open space corridor including equestrian and pedestrian trails from the White Tanks Flood Retarding Structure #3 to Olive Avenue
- · Provides a 100-year crossing across the wash at both Northern
- · No impact on Sonoran Ridge Estates
- · Requires least effort for the maintenance. Creates a desirable open space corridor for Maricopa Water District from Northern Avenue to Olive Avenue
- Keeps the wash in its natural setting along Sonoran Ridge Estates.
- · Creates second lowest construction impact to the neighborhood
- · Least area of natural desert disturbed
- · Second lowest cost

CONSTRAINTS

- 21 acres of right-of-way is required through Maricopa Water District and State Land Department.
- · Native desertscaped trails on east side of canal from Olive Avenue to Northern Avenue would have to be constructed by others.

PROJECT COST

\$4 million

NORTH INLET CHANNEL MARICOPA COUNTY ARIZONA